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**FROM:** J. Paul Plummer (713) 431-7360

**DATE: October 19, 2007****Fax No. (713) 431-4664**Transmitted by: **Monica J. Stansberry**

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<b>RECEIVED IN THE UNITED STATES PATENT AND TRADEMARK OFFICE</b>	
US PATENT APPLICATION NO.: <u>10/583,459 filed on June 19, 2006</u>	
ATTORNEY DOCKET NO.: <u>2004UR004</u>	
INVENTOR(S): <u>Arthur H. Thompson</u>	
TITLE: <u>Electrode Configurations for Suppression of Electroseismic Source Noise</u>	
<b>ENCLO</b>	Transmittal Form.....[1 page(s)] Response to First Office Action .....[11 page(s)]

**TOTAL NUMBER OF PAGES TRANSMITTED:** **13**  
*(Including This Cover Page)*

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PTO/SB/21 (04-07)

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number 10/583,459
		Filing Date 06/19/2006
		First Named Inventor Arthur H. Thompson
		Group Art Unit 3663
		Examiner Name Deandra M. Hughes
Total number of pages in this submission		Attorney Docket Number 2004UR004

ENCLOSURES (check all that apply)		
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<input checked="" type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
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Remarks		

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Firm Name	ExxonMobil Upstream Research Company	
Signature	<i>J. Paul Plummer</i>	
Printed Name	J. Paul Plummer	
Date	19 October 2007	Reg. No. 40,775

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Signature	<i>Monica J. Stansberry</i>	Monica J. Stansberry
Date	19 October 2007	

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Attorney Docket 2004UR004  
Response to Office Action dated 07/25/2007

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/583,459 Confirmation No.: 3699  
Applicant : Arthur H. Thompson  
Filed : June 19, 2006  
TC/Art Unit : 3663  
Examiner : Deandra M. Hughes  
Docket No. : 2004UR004

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

*Via Facsimile: 8.1.571.273.8300*

**RESPONSE TO FIRST OFFICE ACTION**

Sir:

This communication is in response to the Office Action mailed July 25, 2007 concerning the above identified patent application.

**Remarks** begin on page 2 of this paper;

**Amendments to the Claims** begins on page 4 of this paper;

**Conclusion** begins on page 10 of this paper.